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<210> 3721  
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<210> 3722  
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<210> 3723

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Ala Lys Pro Tyr Asp Gly Ile Pro Ala Arg Glu Ile Pro Asp Leu  
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<210> 3724

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Ala Arg Asn Val Leu Val Lys Ser Pro Asn His Val Lys Ile Thr  
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<210> 3726

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<400> 3726

Ala Ser Pro Leu Thr Ser Ile Ile Ser Ala Val Val Gly Ile Leu  
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<210> 3727

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Ala Tyr Ser Leu Thr Leu Gln Gly Leu Gly Ile Ser Trp Leu Gly

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<400> 3728

Ala Tyr Val Met Ala Gly Val Gly Ser Pro Tyr Val Ser Arg Leu  
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<400> 3729

Cys Lys Lys Ile Phe Gly Ser Leu Ala Phe Leu Pro Glu Ser Phe  
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<400> 3730

Cys Leu His Phe Asn His Ser Gly Ile Cys Glu Leu His Cys Pro  
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<400> 3731

Cys Met Gln Ile Ala Lys Gly Met Ser Tyr Leu Glu Asp Val Arg  
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1 5 10 15

<210> 3733

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Cys Gln Ser Leu Thr Arg Thr Val Cys Ala Gly Gly Cys Ala Arg  
1 5 10 15

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Cys Val Asp Leu Asp Asp Lys Gly Cys Pro Ala Glu Gln Arg Ala  
1 5 10 15

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Cys Tyr Gly Leu Gly Met Glu His Leu Arg Glu Val Arg Ala Val  
1 5 10 15

<210> 3736

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<400> 3736

Asp Glu Ala Tyr Val Met Ala Gly Val Gly Ser Pro Tyr Val Ser  
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Asp Glu Cys Val Gly Glu Gly Leu Ala Cys His Gln Leu Cys Ala  
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<210> 3738

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<212> PRT

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<400> 3738

Asp Gly Asp Leu Gly Met Gly Ala Ala Lys Gly Leu Gln Ser Leu  
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<210> 3739

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<400> 3739

Asp Gly Tyr Val Ala Pro Leu Thr Cys Ser Pro Gln Pro Glu Tyr  
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<210> 3740

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<400> 3740

Asp Leu Thr Leu Gly Leu Glu Pro Ser Glu Glu Ala Pro Arg  
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<400> 3741

Asp Met Lys Leu Arg Leu Pro Ala Ser Pro Glu Thr His Leu Asp  
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<210> 3742

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<400> 3742

Asp Pro Pro Phe Cys Val Ala Arg Cys Pro Ser Gly Val Lys Pro  
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Asp Val Arg Leu Val His Arg Asp Leu Ala Ala Arg Asn Val Leu  
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Asp Val Tyr Met Ile Met Val Lys Cys Trp Met Ile Asp Ser Glu  
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Glu Cys Arg Val Leu Gln Gly Leu Pro Arg Glu Tyr Val Asn Ala  
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Glu Gly Arg Tyr Thr Phe Gly Ala Ser Cys Val Thr Ala Cys Pro  
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Glu Thr Glu Leu Val Glu Pro Leu Thr Pro Ser Gly Ala Met Pro  
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Phe Arg Glu Leu Val Ser Glu Phe Ser Arg Met Ala Arg Asp Pro  
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Phe Val Val Ile Gln Asn Glu Asp Leu Gly Pro Ala Ser Pro Leu  
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1 5 10 15

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Gly Glu Arg Leu Pro Gln Pro Pro Ile Cys Thr Ile Asp Val Tyr  
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Gly Gly Lys Val Pro Ile Lys Trp Met Ala Leu Glu Ser Ile Leu  
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Gly His Cys Trp Gly Pro Gly Pro Thr Gln Cys Val Asn Cys Ser  
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Gly Thr Asp Met Lys Leu Arg Leu Pro Ala Ser Pro Glu Thr His  
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Gly Thr Val Tyr Lys Gly Ile Trp Ile Pro Asp Gly Glu Asn Val  
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<400> 3773

Gly Val Thr Val Trp Glu Leu Met Thr Phe Gly Ala Lys Pro Tyr  
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Gly Tyr Leu Tyr Ile Ser Ala Trp Pro Asp Ser Leu Pro Asp Leu  
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His Leu Cys Phe Val His Thr Val Pro Trp Asp Gln Leu Phe Arg

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His Ser Gly Ile Cys Glu Leu His Cys Pro Ala Leu Val Thr Tyr  
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His Val Lys Ile Thr Asp Phe Gly Leu Ala Arg Leu Leu Asp Ile  
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Ile Gln Glu Val Gln Gly Tyr Val Leu Ile Ala His Asn Gln Val  
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<400> 3787

Ile Ser Ala Val Val Gly Ile Leu Leu Val Val Val Leu Gly Val  
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<400> 3788

Ile Ser Ala Trp Pro Asp Ser Leu Pro Asp Leu Ser Val Phe Gln  
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Ile Thr Asp Phe Gly Leu Ala Arg Leu Leu Asp Ile Asp Glu Thr  
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<400> 3791

Ile Thr Gly Tyr Leu Tyr Ile Ser Ala Trp Pro Asp Ser Leu Pro  
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Lys Cys Trp Met Ile Asp Ser Glu Cys Arg Pro Arg Phe Arg Glu  
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Lys Asp Val Phe Ala Phe Gly Gly Ala Val Glu Asn Pro Glu Tyr  
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Lys Glu Ile Leu Asp Glu Ala Tyr Val Met Ala Gly Val Gly Ser  
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Lys Gly Pro Leu Pro Thr Asp Cys Cys His Glu Gln Cys Ala Ala  
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Lys Ile Pro Val Ala Ile Lys Val Leu Arg Glu Asn Thr Ser Pro  
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Lys Pro Asp Leu Ser Tyr Met Pro Ile Trp Lys Phe Pro Asp Glu  
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Lys Val Lys Val Leu Gly Ser Gly Ala Phe Gly Thr Val Tyr Lys  
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Lys Val Pro Ile Lys Trp Met Ala Leu Glu Ser Ile Leu Arg Arg

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Leu Ala Ala Leu Cys Arg Trp Gly Leu Leu Ala Leu Leu Pro  
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Leu Ala Cys Leu His Phe Asn His Ser Gly Ile Cys Glu Leu His  
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Leu Ala Leu Leu Pro Pro Gly Ala Ala Ser Thr Gln Val Cys Thr  
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Leu Ala Val Leu Asp Asn Gly Asp Pro Leu Asn Asn Thr Thr Pro  
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1 5 10 15

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<400> 3814

Leu Gln Val Ile Arg Gly Arg Ile Leu His Asn Gly Ala Tyr Ser  
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Leu Arg Glu Leu Gly Ser Gly Leu Ala Leu Ile His His Asn Thr  
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Leu Arg Glu Leu Gln Leu Arg Ser Leu Thr Glu Ile Leu Lys Gly  
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Leu Arg Ile Val Arg Gly Thr Gln Leu Phe Glu Asp Asn Tyr Ala  
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Leu Arg Lys Val Lys Val Leu Gly Ser Gly Ala Phe Gly Thr Val  
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<400> 3820

Leu Arg Ser Leu Arg Glu Leu Gly Ser Gly Leu Ala Leu Ile His  
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<400> 3821

Leu Ser Val Phe Gln Asn Leu Gln Val Ile Arg Gly Arg Ile Leu  
1 5 10 15

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<400> 3822

Leu Thr Glu Ile Leu Lys Gly Gly Val Leu Ile Gln Arg Asn Pro  
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Leu Thr Leu Ile Asp Thr Asn Arg Ser Arg Ala Cys His Pro Cys

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<400> 3824

Leu Thr Ser Ile Ile Ser Ala Val Val Gly Ile Leu Leu Val Val  
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<400> 3825

Leu Thr Tyr Leu Pro Thr Asn Ala Ser Leu Ser Phe Leu Gln Asp  
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Leu Tyr Tyr Trp Asp Gln Asp Pro Pro Glu Arg Gly Ala Pro Pro  
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Met Ala Gly Val Gly Ser Pro Tyr Val Ser Arg Leu Leu Gly Ile  
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Met Ile Met Val Lys Cys Trp Met Ile Asp Ser Glu Cys Arg Pro  
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Asn Gly Ser Val Thr Cys Phe Gly Pro Glu Ala Asp Gln Cys Val  
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Asn Gly Val Val Lys Asp Val Phe Ala Phe Gly Gly Ala Val Glu  
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Asn Leu Glu Leu Thr Tyr Leu Pro Thr Asn Ala Ser Leu Ser Phe  
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Asn Leu Gln Val Ile Arg Gly Arg Ile Leu His Asn Gly Ala Tyr  
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Asn Leu Tyr Tyr Trp Asp Gln Asp Pro Pro Glu Arg Gly Ala Pro  
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Asn Asn Gln Leu Ala Leu Thr Leu Ile Asp Thr Asn Arg Ser Arg  
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Asn Pro Gln Leu Cys Tyr Gln Asp Thr Ile Leu Trp Lys Asp Ile  
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Asn Thr His Leu Cys Phe Val His Thr Val Pro Trp Asp Gln Leu  
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Pro Asp Ser Leu Pro Asp Leu Ser Val Phe Gln Asn Leu Gln Val  
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<400> 3843

Pro Glu Gln Leu Gln Val Phe Glu Thr Leu Glu Glu Ile Thr Gly  
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Pro Glu Ser Phe Asp Gly Asp Pro Ala Ser Asn Thr Ala Pro Leu  
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<400> 3845

Pro Glu Tyr Val Asn Gln Pro Asp Val Arg Pro Gln Pro Pro Ser  
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Pro Phe Cys Val Ala Arg Cys Pro Ser Gly Val Lys Pro Asp Leu  
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Pro Gly Gly Leu Arg Glu Leu Gln Leu Arg Ser Leu Thr Glu Ile

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Pro Ile Lys Trp Met Ala Leu Glu Ser Ile Leu Arg Arg Arg Phe  
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<400> 3849

Pro Ser Gly Val Lys Pro Asp Leu Ser Tyr Met Pro Ile Trp Lys  
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Pro Ser Thr Phe Lys Gly Thr Pro Thr Ala Glu Asn Pro Glu Tyr  
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Pro Tyr Asn Tyr Leu Ser Thr Asp Val Gly Ser Cys Thr Leu Val  
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Gln Gly Phe Phe Cys Pro Asp Pro Ala Pro Gly Ala Gly Gly Met  
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1 5 10 15

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1 5 10 15

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<400> 3860  
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1 5 10 15

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<400> 3861  
Gln Gln Lys Ile Arg Lys Tyr Thr Met Arg Arg Leu Leu Gln Glu  
1 5 10 15

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Gln Ser Asp Val Trp Ser Tyr Gly Val Thr Val Trp Glu Leu Met  
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<400> 3863

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<400> 3864

Arg Glu Tyr Val Asn Ala Arg His Cys Leu Pro Cys His Pro Glu  
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Arg Gly Arg Ile Leu His Asn Gly Ala Tyr Ser Leu Thr Leu Gln  
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<400> 3866

Arg Gly Arg Leu Gly Ser Gln Asp Leu Leu Asn Trp Cys Met Gln  
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<400> 3867

Arg His Leu Tyr Gln Gly Cys Gln Val Val Gln Gly Asn Leu Glu  
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<400> 3868

Arg Pro Arg Phe Arg Glu Leu Val Ser Glu Phe Ser Arg Met Ala  
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<400> 3869

Arg Arg Leu Leu Gln Glu Thr Glu Leu Val Glu Pro Leu Thr Pro  
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Arg Ser Leu Leu Glu Asp Asp Asp Met Gly Asp Leu Val Asp Ala  
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Arg Trp Gly Leu Leu Leu Ala Leu Leu Pro Pro Gly Ala Ala Ser

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<400> 3872

Arg Tyr Thr Phe Gly Ala Ser Cys Val Thr Ala Cys Pro Tyr Asn  
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<400> 3873

Ser Ala Val Val Gly Ile Leu Leu Val Val Val Leu Gly Val Val  
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<400> 3874

Ser Asp Val Trp Ser Tyr Gly Val Thr Val Trp Glu Leu Met Thr  
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<400> 3875

Ser Leu Thr Leu Gln Gly Leu Gly Ile Ser Trp Leu Gly Leu Arg  
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<400> 3876  
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<400> 3878  
Ser Arg Leu Leu Gly Ile Cys Leu Thr Ser Thr Val Gln Leu Val  
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<400> 3879  
Ser Thr Asp Val Gly Ser Cys Thr Leu Val Cys Pro Leu His Asn  
1 5 10 15

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Ser Tyr Gly Val Thr Val Trp Glu Leu Met Thr Phe Gly Ala Lys  
1 5 10 15

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<400> 3881

Thr Ala Pro Leu Gln Pro Glu Gln Leu Gln Val Phe Glu Thr Leu  
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<400> 3882

Thr Asp Gly Tyr Val Ala Pro Leu Thr Cys Ser Pro Gln Pro Glu  
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<400> 3883

Thr Glu Ile Leu Lys Gly Gly Val Leu Ile Gln Arg Asn Pro Gln  
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<400> 3884

Thr Glu Leu Val Glu Pro Leu Thr Pro Ser Gly Ala Met Pro Asn  
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<400> 3885

Thr Ile Asp Val Tyr Met Ile Met Val Lys Cys Trp Met Ile Asp  
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<400> 3886  
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Thr Gln Leu Met Pro Tyr Gly Cys Leu Leu Asp His Val Arg Glu  
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<400> 3888  
Thr Arg Thr Val Cys Ala Gly Gly Cys Ala Arg Cys Lys Gly Pro  
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<400> 3891

Val Cys Pro Leu His Asn Gln Glu Val Thr Ala Glu Asp Gly Thr  
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<400> 3892

Val Glu Pro Leu Thr Pro Ser Gly Ala Met Pro Asn Gln Ala Gln  
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<400> 3893

Val Gly Ile Leu Leu Val Val Val Leu Gly Val Val Phe Gly Ile  
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<400> 3894

Val His Thr Val Pro Trp Asp Gln Leu Phe Arg Asn Pro His Gln  
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<400> 3895

Val Leu Gly Val Val Phe Gly Ile Leu Ile Lys Arg Arg Gln Gln

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Val Gln Leu Val Thr Gln Leu Met Pro Tyr Gly Cys Leu Leu Asp  
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<400> 3897

Val Arg Ala Val Thr Ser Ala Asn Ile Gln Glu Phe Ala Gly Cys  
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Val Arg Leu Val His Arg Asp Leu Ala Ala Arg Asn Val Leu Val  
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Val Arg Gln Val Pro Leu Gln Arg Leu Arg Ile Val Arg Gly Thr  
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Val Thr Gln Leu Met Pro Tyr Gly Cys Leu Leu Asp His Val Arg  
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<400> 3902  
Val Val Gly Ile Leu Leu Val Val Val Leu Gly Val Val Phe Gly  
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Val Trp Glu Leu Met Thr Phe Gly Ala Lys Pro Tyr Asp Gly Ile  
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Trp Gly Leu Leu Leu Ala Leu Leu Pro Pro Gly Ala Ala Ser Thr  
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Tyr Asp Gly Ile Pro Ala Arg Glu Ile Pro Asp Leu Leu Glu Lys  
1 5 10 15

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<400> 3906  
Tyr Met Ile Met Val Lys Cys Trp Met Ile Asp Ser Glu Cys Arg  
1 5 10 15

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<400> 3907  
Tyr Val Leu Ile Ala His Asn Gln Val Arg Gln Val Pro Leu Gln  
1 5 10 15

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<400> 3908  
Ala Ile Lys Val Leu Arg Glu Asn Thr Ser Pro Lys Ala Asn Lys  
1 5 10 15

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Ala Arg Leu Leu Asp Ile Asp Glu Thr Glu Tyr His Ala Asp Gly  
1 5 10 15

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<400> 3910

Cys Tyr Gly Leu Gly Met Glu His Leu Arg Glu Val Arg Ala Val  
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<400> 3911

Asp Leu Thr Leu Gly Leu Glu Pro Ser Glu Glu Ala Pro Arg  
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<400> 3912

Asp Asn Leu Tyr Tyr Trp Asp Gln Asp Pro Pro Glu Arg Gly Ala  
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Asp Thr Ile Leu Trp Lys Asp Ile Phe His Lys Asn Asn Gln Leu  
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<400> 3914

Glu Thr Glu Tyr His Ala Asp Gly Gly Lys Val Pro Ile Lys Trp  
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Phe Arg Glu Leu Val Ser Glu Phe Ser Arg Met Ala Arg Asp Pro  
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<400> 3916

Phe Ser Arg Met Ala Arg Asp Pro Gln Arg Phe Val Val Ile Gln  
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<400> 3917

Phe Val Val Ile Gln Asn Glu Asp Leu Gly Pro Ala Ser Pro Leu  
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<400> 3918

Gly Asp Leu Val Asp Ala Glu Glu Tyr Leu Val Pro Gln Gln Gly  
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<210> 3919

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<400> 3919

Gly Thr Gln Leu Phe Glu Asp Asn Tyr Ala Leu Ala Val Leu Asp

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<400> 3920

Ile Lys Trp Met Ala Leu Glu Ser Ile Leu Arg Arg Arg Phe Thr  
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<400> 3921

Ile Trp Lys Phe Pro Asp Glu Glu Gly Ala Cys Gln Pro Cys Pro  
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Lys Gly Pro Leu Pro Thr Asp Cys Cys His Glu Gln Cys Ala Ala  
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Lys Asn Gly Val Val Lys Asp Val Phe Ala Phe Gly Gly Ala Val  
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Leu Val Thr Tyr Asn Thr Asp Thr Phe Glu Ser Met Pro Asn Pro  
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Asn Lys Glu Ile Leu Asp Glu Ala Tyr Val Met Ala Gly Val Gly  
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Pro Glu Ser Phe Asp Gly Asp Pro Ala Ser Asn Thr Ala Pro Leu  
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<400> 3931  
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1 5 10 15

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<400> 3932  
Gln Gly Phe Phe Cys Pro Asp Pro Ala Pro Gly Ala Gly Gly Met  
1 5 10 15

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<400> 3933  
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Arg Ser Leu Leu Glu Asp Asp Asp Met Gly Asp Leu Val Asp Ala  
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<400> 3935

Ser Asp Val Phe Asp Gly Asp Leu Gly Met Gly Ala Ala Lys Gly  
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<400> 3936

Ser Leu Ala Phe Leu Pro Glu Ser Phe Asp Gly Asp Pro Ala Ser  
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<400> 3937

Ser Leu Ser Phe Leu Gln Asp Ile Gln Glu Val Gln Gly Tyr Val  
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<210> 4048  
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<210> 4079  
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<210> 4082  
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<210> 4083  
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<210> 4085  
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<210> 4086  
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<210> 4093  
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<210> 4094  
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<210> 4097  
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<210> 4098  
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<210> 4099  
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<210> 4111  
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<210> 4118  
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<210> 4120  
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<210> 4121  
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<210> 4130  
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<210> 4134  
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<210> 4135  
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<210> 4142  
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Gln Pro Pro Ile Cys Thr Ile Asp Val Tyr Met Ile Met Val Lys  
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Asp Val Tyr Met Ile Met Val Lys Cys Trp Met Ile Asp Ser Glu

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Arg Leu Pro Ala Ser Pro Glu Thr His Leu Asp Met Leu Arg His  
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Val Leu Ile Ala His Asn Gln Val Arg Gln Val Pro Leu Gln Arg  
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Gly Thr Gln Leu Phe Glu Asp Asn Tyr Ala Leu Ala Val Leu Asp  
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Cys Tyr Gly Leu Gly Met Glu His Leu Arg Glu Val Arg Ala Val  
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Gly Met Ser Tyr Leu Glu Asp Val Arg Leu Val His Arg Asp Leu  
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Val Arg Leu Val His Arg Asp Leu Ala Ala Arg Asn Val Leu Val  
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Leu Ala Leu Ile His His Asn Thr His Leu Cys Phe Val His Thr  
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<223> DR7 preferred motif

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<220>  
<221> VARIANT  
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<220>  
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<220>  
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<400> 4571  
Xaa Met Trp Ala Xaa Xaa Met Xaa Xaa  
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<223> Gly, Arg, or Asp

<400> 4572  
Xaa Cys Xaa Gly Xaa Xaa Xaa Asn Gly  
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